

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	Antag	Antagonists" J. Med. Chem., 26: 838-844;											
		Jacobson K.A., et al., (1998) "Adenosine A3 receptors: novel ligands and paradoxical effects", TiPS											
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		Muller, C. E. and Stein, B. (1996) "Adenosine Receptor Antagonists: Structures and Potentia Therapeutic Applications", <u>Current Pharmaceutical Design</u> , 2: 501-530;											
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